Ho— Gly— PNA Synthesis

H<sub>2</sub>N-TC<sup>Z</sup>A<sup>Z</sup>G<sup>Z</sup>-Gly— DMT-O— T

HO— Coupling Agent

DMT-T-C-NH-TC<sup>Z</sup>A<sup>Z</sup>G<sup>Z</sup>-Gly— DMT-T-C-NH-TC-NH

## DNA Synthesis

- (a) DCA
- (b) Phosphoramidite, Tetrazole
- (c) I<sub>2</sub> (or Beaucage reagent)
- (d) AcAn, N-Methylimidazole

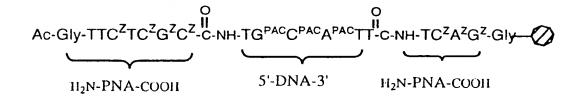
## Repeat

Final coupling with MMT-protected 5'-NH<sub>2</sub> phosphoramidite

¢:::->

## FIGURE 2

Ac-Gly-TTC<sup>Z</sup>TC<sup>Z</sup>G<sup>Z</sup>C<sup>Z</sup>-соон, coupling agent



(10)  $K_2CO_3$ 

(11) conc. NH<sub>4</sub>OH

(12) Cat. Hydrogenation

## FIGURE 3

TBDPS-0

FIGURE 4